

REMARKS

The Office Action dated May 4, 2006 has been received and carefully noted. The above amendments to the claims and the following remarks are submitted as a full and complete response thereto.

Claims 1-3, 5, 6, 9-16, 23, 25, 28 and 29 are amended to particularly point out and distinctly claim the subject matter of the invention. Entry of the amendments is respectfully requested because the amendments place the application in better condition for allowance or appeal, do not require further search and/or consideration, and do not contain new matter. Applicants gratefully acknowledge the indication that claim 9 would be allowable if rewritten into independent form. However, Applicants respectfully submit that claim 9 is allowable in its present form for the reasons set forth below. Claims 1-30 are respectfully submitted for consideration.

The Office Action rejected claims 1-8 and 10-30 under 35 U.S.C. 102(b) as being anticipated by US Patent No. 6,225,944 to Hayes (Hayes). This rejection is respectfully traversed.

Claim 1, from which claims 2-14 depend, is directed to a method for providing location information. The method includes signaling a request for a connection between user equipment and another party, and analyzing the requested connection. Location information is required in association with the requested connection is detected. Activating. A process is activated for determining information about a location of the user equipment. First location service information is used in determining information

about the location of the user equipment and is communicated on a control plane between the user equipment and a communication system. A second location service information is used in determining information about the location of the user equipment, is communicated on a user plane communication system.

Claim 15 recites a computer program embodied on a computer readable medium comprising program code for performing the steps similarly recited in claim 1.

Claim 16, from which claims 17-22 depend, is directed to an arrangement for providing location information in association with a communication system configured for communication of information relating to determination of a location of user equipment. A controller is configured to detect if location information is required in association with a connection and to activate a process for determining information about a location of user equipment in response to detection that information about the location of the user equipment is required. A connection unit is configured to provide a connection between the user equipment and another party. The connection unit being further configured to communicate first location service information used in determining information about the location of the user equipment on a control plane and second location service information used in determining information about the location of the user equipment on a user plane.

Claim 23, from which claim 24 depends, is directed to a user equipment. A controller configured to activate a process for determining information about a location of user equipment in response to detection that information about the location of the user

equipment is required. A location information processing entity configured to process information required by the location determining process. The user equipment further includes a transceiver configured to provide wireless communication of information required by the location determining process for communication of first information in association with the location determining process on a control plane and second information in association with the location determining process on a user plane.

Claim 25, from which claims 26 and 27 depend, recites a node for a communication system configured for processing location information. The node includes a controller configured to activate determination of information associated with a location of user equipment in response to detection that information about the location of the user equipment is required. The node further includes connection unit configured to communicate first information in association with a location determining process on a control plane and second information in association with the location determining process on a user plane.

Claim 28 is directed to a gateway that includes the features recited in claim 25.

Claim 29, from which claim 30 depends recites a user equipment. The user equipment includes an activating means for activating a process for determining information about a location of user equipment in response to detection that information about the location of the user equipment is required. The user equipment further includes location information processing means for processing information required by the location determining process. The user equipment further includes communication

means for communicating information required by the location determining process for communication of first information in association with the location determining process on a control plane and second information in association with the location determining process on a user plane.

The present invention is directed to solving the problems associated with the prior art systems such as the user plane location service communications and control plane communications of the emergency cannot be associated to each other because of a lack of a suitable interface. Location service information is used in determining information about the location of the user equipment. Applicants respectfully submit that the pending claims recite features that are neither disclosed nor suggested in Hayes.

Hayes is directed to a method of reporting the location of a mobile phone by locating a Global Positioning System (GPS) receiver in a mobile communications network. The method provides location information in a communications system in which the location information is transmitted from a user terminal in a Teletype/Telephony Device for the Deaf (TTY/TDD) compatible format.

Applicants respectfully submit that Hayes fails to disclose or suggest at least the features of communicating first location service information used in determining information about the location of the user equipment, on a control plane between the user equipment and the communication system; and communicating second location information used in determining information about the location of the user equipment and

the communication system, as recited in claim 1 and similarly recited in claims 15, 23, 25, 28, and 29.

Hayes merely describes a standard mobile communications network in which a mobile phone communicates across an air interface with an antenna to transmit voice channel (user plane) and control channel (control plane) signals to a base station. Applicants note that the call set up information (alleged in the Office Action as location information) is not readable on the claim location determination information. If even for the sake of argument only, call set up information is readable on the claimed location information, Hayes fails to mention, disclose or suggest a process in which the location information of a user equipment is sent over both the control plane and a user plane. Hayes, thus, does not disclose sending first location information over the control plane and second location information over the user plane, as claimed in the present invention.

Applicants respectfully submit that because claims 2-8, 17-22, 24, 26-27 and 30 depend from claims 1, 16, 23, 25, and 29, respectively, these claims are allowable at least for the same reasons as claims 1, 16, 23, 25, and 29, as well as for the additional features recited in these dependent claims.

Based at least on the above, Applicants respectfully submit that Hayes fails to disclose or suggest all of the features recited in claims 1-8 and 10-30. Accordingly, withdrawal of the rejection of claims 1-8 and 10-30 under 35 U.S.C. 102(b) is respectfully requested.

The Office Action objected to claim 9 for being depend from a rejected base claim, but would be allowable is rewritten into independent form. Applicants respectfully submit that because claim 9 depends from claim 1, claim 9 is allowable in its present form, at least for the same reasons as claim 1. Accordingly, withdrawal of the objection to claim 9 is respectfully requested.

Applicants respectfully submit that each of claims 1-30 recites features that are neither disclosed nor suggested in any of the cited references. Accordingly, Applicants respectfully request that each of claims 1-30 be allowed and this application passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the applicants respectfully petition for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "DEB", is written over a horizontal line.

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